

NOV 02 2004

PATENT & TRADEMARK OFFICE  
U.S. DEPARTMENT OF COMMERCE

Sheet 1 of 2

Form PTO/SB/08A

ATTY DOCKET NO.  
37697-0080SERIAL NO.  
10/696,709LIST OF REFERENCES CITED  
BY APPLICANT(S)

Date Submitted: November 2, 2004

APPLICANT(S)  
Edward W. MERRILL et al.FILING DATE  
October 30, 2003GROUP  
1724

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE (M/D/Y)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>W</i>	B01	6,786,933	9/7/04	MERRILL ET AL.	623	23.58	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE (M/D/Y)	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
<i>W</i>	B02	WO94/27651	12/8/94	WIPO			
	B03	WO93/10953	6/10/93	WIPO			
	B04	EP0847765	6/17/98	EPO			
	B05	EP1005872	6/7/00	EPO			
	B06	AU-B-64364/94	12/20/94	Australia			
	B07	JP62243634	10/24/87	Japan			Abstract
<i>W</i>	B08	JP59168050	9/21/84	Japan			Abstract
	B09	BE1001574A6	12/5/89	Belgium			No

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>W</i>	B10	Bennett et al.	42 <sup>nd</sup> Annual Meeting, Orthopaedic Research Society, Atlanta, GA (2/19-22/96)
	B11	de Boer et al.	Polymer 23: 1944-1952 (1982)
	B12	Grulke	Polymer Process Engineering, p. 419, PTR Prentice Hall (1994)
	B13	Howmedica	Overview and Fundamentals of UHMWPE, Part 1 of a Series on Ultra-High Molecular Weight Polyethylene, p. 1-8 (1994)
	B14	Howmedica	Material Properties, Product Quality Control and Their Relation to UHMWPE Performance, Part 2 of a Series on Ultra High Molecular Weight Polyethylene, p. 1-20 (1994)
	B15	Howmedica	A Comparative Analysis Analysis of the Properties of Standard and "Enhanced" Ultra-High Molecular Weight Polyethylene, Part 3 of a Series on Ultra High Molecular Weight Polyethylene, p. 1-12 (1994)
	B16	Howmedica	Duration Stabilized UHMWPE, A Polyethylene with Superior Resistance to Oxidation, Part 4 of a Series on Ultra High Molecular Weight Polyethylene, p. 1-12 (1998)
	B17	Kamel et al.	J. of Polymer Science: Polymer Physics Edition 23: 2407-2409 (1985)
	B18	Lancaster	Friction and Wear, Polymer Science, Chapter 14: 960-1046 (1972)
	B19	Li et al.	The Journal of Bone and Joint Surgery 76-A: 1080-1090 (1994)
<i>W</i>	B20	Miller et al.	Wear 28: 207-216 (1974)

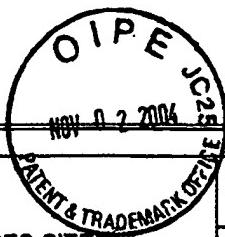
EXAMINER

*Dwight D. Merrill*

DATE CONSIDERED

*March 11, 2005*

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Sheet 2 of 2

Form PTO/SB/08A

**LIST OF REFERENCES CITED  
BY APPLICANT(S)**

Date Submitted: October 29, 2004

**ATTY DOCKET NO.**  
**37697-0080**

SERIAL NO.  
10/696.709

**APPLICANT(S)**

**FILING DATE**  
October 30, 2004

**GROUP  
1724**

**U.S. PATENT DOCUMENTS**

## FOREIGN PATENT DOCUMENTS

**OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)**

**EXAMINER**

**DATE CONSIDERED**

March 11, 2005

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JUN 15 2004



Sheet 1 of 5

FORM PTO/SB/08A

LIST OF REFERENCES CITED  
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Date Submitted: June 15, 2004

ATTY DOCKET NO.  
37697-0080SERIAL NO.  
10/696,709APPLICANT  
Edward W. MERRILL et al.FILING DATE  
October 30, 2003GROUP  
To be assigned

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE (M/D/Y)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A01	4,892,552	1/9/90	AINSWORTH ET AL.	623	23	
	A02	5,549,698	8/27/96	AVERRILL ET AL.	623	22	
	A03	5,001,206	3/19/91	BASHIR ET AL.	526	352	
	A04	5,428,079	6/27/95	BASTIAANSEN ET AL.	522	161	
	A05	5,480,683	1/2/96	CHABROL ET AL.	427	2.26	
	A06	5,059,196	10/22/91	COATES	606	99	
	A07	5,593,719	1/14/97	DEARNALEY	427	2.26	
	A08	4,524,467	6/25/85	DECARLO	603	22	
	A09	5,466,530	11/14/95	ENGLAND ET AL.	428	411.1	
	A10	4,747,990	5/31/88	GAUSSSENS ET AL.	623	22	
	A11	5,549,700	8/27/96	GRAHAM ET AL.	623	22	
	A12	6,184,265	2/6/01	HAMILTON ET AL.	522	189	
	A13	5,753,182	5/19/98	HIGGINS	422	23	
	A14	5,478,906	12/26/95	HOWARD	526	352	
	A15	5,684,124	11/4/97	HOWARD ET AL.	528	481	
	A16	6,168,626	1/2/01	HYON ET AL.	623	18.11	
	A17	6,506,866	1/14/03	JACOBSEN ET AL.	526	348	
	A18	3,758,273	9/11/73	JOHNSTON ET AL.	21	54	
	A19	5,869,575	2/9/99	KOLTHAMMER ET AL.	525	240	
	A20	5,066,755	11/19/91	LEMSTRA	526	348.1	
	A21	5,037,928	8/6/91	LI ET AL.	526	352	
	A22	3,944,536	3/16/76	LUPTON ET AL.	526	352	

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*DNC Dmawal*

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			APPLICANT Edward W. MERRILL et al.				
Date Submitted: June 15, 2004			FILING DATE October 30, 2003		GROUP To be assigned		
U.S. PATENT DOCUMENTS							
*EXAMINER INITIAL		DOCUMENT NUMBER	DATE (M/D/Y)	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A23	6,165,220	12/26/00	MCKELLOP ET AL.	623	18	
	A24	6,245,276	6/12/01	MCNULTY	264	322	
	A25	5,358,792	10/25/94	MEHTA ET AL.	428	516	
	A26	5,879,400	3/9/99	MERRILL ET AL.	623	22	
	A27	6,464,926	10/15/02	MERRILL ET AL.	264	485	
	A28	6,641,617	11/4/04	MERRILL ET AL.	623	23.58	
	A29	3,352,818	11/14/67	MEYER ET AL.	260	45.7	
	A30	6,005,053	12/21/99	PARIKH ET AL.	525	221	
	A31	5,972,444	10/26/99	PATEL ET AL.	428	35.2	
	A32	5,515,590	5/14/96	PIENKOWSKI	427	2.26	
	A33	4,586,995	5/6/86	RANDALL ET AL.	522	5	
	A34	4,535,486	8/20/85	ROBERTS ET AL.	623	22	
	A35	6,281,264	8/28/01	SALOVEY ET AL.	523	115	
	A36	6,017,975	1/25/00	SAUM ET AL.	522	161	
	A37	6,242,507	6/5/01	SAUM ET AL.	522	161	
	A38	6,316,158	11/13/01	SAUM ET AL.	430	130	
	A39	3,698,017	10/17/72	SCALES ET AL.	3	1	
	A40	5,824,411	10/20/98	SHALABY ET AL.	428	364	
	A41	6,228,900	5/8/01	SHEN ET AL.	522	153	
	A42	5,123,924	6/23/92	SIOSHANSI ET AL.	623	16	
	A43	5,123,925	6/23/92	SMESTAD ET AL.	623	16	
EXAMINER	<i>Dee Deo</i>			DATE CONSIDERED	<i>March 11, 2005</i>		

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	A44	5,024,670	6/18/91	SMITH ET AL.	623	18	
	A45	5,414,049	5/9/95	SUN ET AL.	525	333.7	
	A46	5,449,745	9/12/95	SUN ET AL.	528	483	
	A47	5,650,485	7/22/97	SUN ET AL.	528	483	
	A48	5,728,748	3/17/98	SUN ET AL.	522	65	
	A49	6,174,934	1/16/01	SUN ET AL.	523	113	
	A50	5,543,471	8/6/96	SUN ET AL.	525	333.7	
	A51	4,385,405	5/31/83	TEINTURIER	3	1.912	
	A52	5,001,008	3/19/91	TOKITA ET AL.	428	400	
	A53	6,096,084	8/1/00	TOWNLEY	623	23.12	
	A54	5,160,464	11/3/92	WARD ET AL.	264	22	
	A55	3,297,641	1/10/67	WERBER ET AL.	260	66	
	A56	4,902,460	2/20/90	YAGI ET AL.	264	83	
	A57	4,655,769	4/7/87	ZACHARIADES ET AL.	623	1	
	A58	4,944,974	7/31/90	ZACHARIADES	428	36.1	
	A59	5,160,472	11/3/92	ZACHARIADES	264	136	
	A60	5,407,623	4/18/95	ZACHARIADES ET AL.	264	119	

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE (M/D/Y)	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	A61	WO01/05337	1/25/01	WIPO			
	A62	WO98/01085	1/15/98	WIPO			
	A63	WO97/29793	8/21/97	WIPO			

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<input checked="" type="checkbox"/>	A64 JP58157830	9/20/83	JAPAN			Abstract
<input checked="" type="checkbox"/>	A65 EP0729981B1	9/4/96	EUROPE			
<input checked="" type="checkbox"/>	A66 EP0722973A1	7/24/96	EUROPE			
<input checked="" type="checkbox"/>	A67 EP0737481B1	10/16/96	EUROPE			
<input checked="" type="checkbox"/>	A68 EP0373800B1	6/20/90	EUROPE			
<input checked="" type="checkbox"/>	A69 JP4198242	6/17/92	JAPAN			Abstract
<input checked="" type="checkbox"/>	A70 JP4185651	7/2/92	JAPAN			Abstract
OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)						
<input checked="" type="checkbox"/>	A71 ATKINSON	SILANE CROSS-LINKED HDPE FOR PROSTHETIC APPLICATIONS, POLYMERS IN MED. AND SURGERY, CONF. HELD BY PLASTICS & RUBBER INST. & BIOLOGICAL ENG. SOC. (1989)				
<input checked="" type="checkbox"/>	A72 DIJKSTRA ET AL.	POLYMER 30: 866-873 (1989)				
<input checked="" type="checkbox"/>	A73 DU PLESSIS ET AL.	RADIAT. PHYS. CHEM. 9: 647-652 (1977)				
<input checked="" type="checkbox"/>	A74 GENT ET AL.	J. OF POLMER SCI 5: 47-61 (1967)				
<input checked="" type="checkbox"/>	A75 GIELENZ ET AL.	COLLOID & POLYMER SCI. 260: 742-753 (1982)				
<input checked="" type="checkbox"/>	A76 GROBBELAAR ET AL.	J. OF BONE AND JOINT SURGERY 60-B(3): 370-374 (1978)				
<input checked="" type="checkbox"/>	A77 GROBBELAAR ET AL.	SA BONE AND JOINT SURGERY IX(3): 143-147 (1999)				
<input checked="" type="checkbox"/>	A78 JAHAN ET AL.	J. OF BIOMED RESEARCH 25: 1005-1016 (1991)				
<input checked="" type="checkbox"/>	A79 JAHAN ET AL.	J. OF LUMINESCENCE 40 & 41:242-243 (1988)				
<input checked="" type="checkbox"/>	A80 JONES ET AL.	WEAR 70: 77-92 (1981)				
<input checked="" type="checkbox"/>	A81 KANG ET AL.	J. OF AMER. CHEM. SOC. 89(9): 1980-1986 (1967)				
<input checked="" type="checkbox"/>	A82 MANDELKERN ET AL.	NATIONAL BUREAU OF STANDARDS 82: 46-53 (1960)				
<input checked="" type="checkbox"/>	A83 NUSBAUM ET AL.	J. OF BIOMED MATERIAL RESEARCH 13: 557-576 (1979)				
<input checked="" type="checkbox"/>	A84 OONISHI ET AL.	RADIA. PHYS. CHEM 39(6): 495-504 (1992)				
<input checked="" type="checkbox"/>	A85 OONISHI ET AL.	ENCYCLOPEDIC HANDBOOK OF BIOMATERIALS AND BIOENGINEERING 2: 1853-1868 (1995)				
<input checked="" type="checkbox"/>	A86 OONISHI ET AL.	SUPER LOW WEAR CROSS-LINKED UHMWPE BY HEAVY HIGH-DOSE RADIATION, WPOA 2 <sup>ND</sup> CONGRESS OF HIP SECTION, PG. 61 (1996)				
<input checked="" type="checkbox"/>	A87 ROSE ET AL.	J. OF ORTHOPAEDIC RESEARCH SOCIETY 2(4): 393-400 (1984)				
<input checked="" type="checkbox"/>	A88 SAUNDERS ET AL.	MEDICAL DEVICE & DIAGNOSTIC INDUSTRY 222:89-92 (1993)				
EXAMINER <i>D. C. DeLoach</i>			DATE CONSIDERED <i>March 11, 2004</i>			

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